

CP 440 Digital Pressure Test Gauge

The CP 440 Digital Pressure Test Gauge takes the concept of an analog Test Gauge, and brings it to a new level.

The CP 440 combines the accuracy of digital technology with the simplicity of an analog gauge, and achieves performance, ease-of-use, and a feature set unmatched in the pressure measurement world. Setup of the CP 440 is fast and straight-forward, through a menu-driven display, with minimal text, and intuitive functions, that is simple enough to allow the gauge to be used anywhere in the world, without the need for multilingual displays. The availability of optional sanitary seals that meet 3A standards per specification 37-01 allow the gauge to be used in virtually any application.

Features:

- Very high accuracy of $\pm 0.05\%$ F.S.; temperature compensated
- Temperature compensated accuracy over 0 to 50 °C
- Eight (8) standard pressure ranges

- Displays in 18 standard or fully custom engineering units
- Displays ambient temperature in °C or °F
- Large, back-lit, 5-1/2 digit display and 20 segment bar graph
- Rugged stainless steel case meets NEMA 4/IP65
- Password-protected "through the keypad" calibration
- MIN/MAX recall
- Adjustable TARE zeros large system offsets
- User-configurable sample rate maximizes measurement performance and battery life
- User-configurable damping smooths readings from pulsating/plant air sources
- Auto Shut-off for extended battery life
- Low battery indicator



Standard delivery:

- CP 440
- Batteries
- Instruction manual

Accessories:

- Rubber Boot
- External 24 VDC Power Input
- Sanitary Seal



Specifications (0 °C to +50 °C, unless otherwise noted)

Input Ranges:	1 bar, 2 bar, 7 bar, 30 bar, 70 bar, 200 bar, 300 bar, 700 bar
Accuracy:	$\pm 0.05\%$ FS Positive Pressure $\pm 0.25\%$ FS Vacuum/30 bar and below
Temperature Compensation:	0°C bis +50°C to rated accuracy
Standard Engineering Units	PSI, Bar, Kg/cm ² , inH ₂ O (4°C, 20°C oder 60°F), ft H ₂ O (4°C, 20°C oder 60°F), cmH ₂ O (4°C und 20°C), mH ₂ O (4°C und 20°C), Kpa, mBAR, inHg, mmHg, TORR
Media Compatibility:	liquids and gases compatible with 316 stainless steel
Operating Temperature:	-10°C to +55°C
Storage Temperature:	-20°C o +70°C
Dimensions:	127 x 111 x 38 mm
Input-Port:	1/4" male-NPT
Display:	5 Digits, 16.5 mm height Bar Graph – 0 to 100% in 20 segments
Power supply:	3 size AA alkaline batteries
Operating time:	1,500 hours without backlight; 2,000 hours at slow sample rate

RELIABILITY DIRECT, INC.

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